

5 METHOD FOR DETERMINING DIFFERENCES IN  
MOLECULAR INTERACTIONS AND FOR  
SCREENING A COMBINATORIAL LIBRARY

10 ABSTRACT OF THE DISCLOSURE

15 The invention includes a method for determining the differences between the  
molecular interactions of two different mixtures of molecules and identifying ligands  
specific for molecules in one mixture. The method utilizes a combinatorial library to  
compare the molecular interactions of the two mixtures and eliminates those interactions  
that are common to both mixtures and those that are unique to the first mixture, such that  
interactions essentially unique to the target mixture are identified. Ligands specific for  
molecules in the target mixture can then be identified. The invention also includes a  
method of screening a combinatorial library to distinguish between true positive beads and  
false positive beads and to provide for the identification of ligands specific for target  
20 molecules.